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ABSTRACT

METHOD AND APPARATUS FOR

CONVEYING BIDIRECTIONAL DATA, POWER AND TIMING SIGNALS USING A SINGLE TRANSFORMER

Transformer driven by data modulated signal provides isolated power. Outbound data is extracted from the data modulated signal received from the transformer. Inbound data received in isolated circuitry modulates the load presented to transformer. Inbound data perceived in non-isolated circuitry by sensing load experienced by the transformer.